

Claims:

1. Method for dynamic sensor placement comprising:
positioning at least one sensory device in a scene of a 3D model; and
rendering dynamically said sensor within a scene of said 3D site model in
accordance with sensor parameters associated with said at least one sensory
device.
2. The method of claim 1, wherein said rendering step renders an area
covered by said sensor in accordance with said sensor parameters.
3. The method of claim 1, further comprising:
selecting at least one of a 3D image, sensory parameters, and a view
point for viewing said at least one sensory device.
4. The method of claim 1, wherein said at least one sensory device
comprises at least one of a camera, a motion sensor, an ultrasonic sensor, and
an infrared sensor.
5. The method of claim 1, wherein said positioning occurs automatically in
accordance with at least one of a minimization of an occluded area, a
maximization of a coverage area, and said sensory parameters.
6. The method of claim 1 wherein said rendering further comprises:
determining whether an occlusion exists within an area covered by said
at least one sensory device.
7. A method for dynamic sensor placement comprising:
selecting a 3D site model;
selecting a sensor for placement into said 3D site model; and
rendering said sensor within a scene of said 3D site model in accordance
with sensor parameters associated with said sensor.

8. The method of claim 7, wherein said rendering step renders an area covered by said sensor in accordance with said sensor parameters.
9. The method of claim 7, further comprising:
selecting a viewpoint for viewing said scene.
10. The method of claim 7, further comprising:
providing a graphical user interface for each of said selecting steps.
11. The method of claim 7, wherein said rendering step, further comprises:
positioning automatically said sensor in accordance with at least one of one of a minimization of an occluded area, a maximization of a coverage area, and a sensor parameter.
12. The method of claim 7, further comprising:
determining whether an occlusion exists within an area covered by said sensor.
13. A computer-readable medium having stored thereon a plurality of instructions, the plurality of instructions including instructions which, when executed by a processor, cause the processor to perform the steps comprising of:
positioning at least one sensory device in a scene of a 3D model; and
rendering dynamically said sensor with a scene of said 3D site model in accordance with sensor parameters associated with said sensor, wherein said rendering renders an area covered by said sensor in accordance with said sensor parameters.
14. The computer-readable medium claim 13, further comprising:
selecting a viewpoint for viewing said scene.
15. The computer-readable medium claim 13, wherein said positioning step automatically positions said at least one sensory device in a scene of a 3D

model in accordance with at least one of a minimization of an occluded area, a maximization of a coverage area, and a sensor parameter.

16. The computer-readable medium claim 13, further comprising:
determining whether an occlusion exists within an area covered by said sensor.
17. Apparatus for dynamic sensor placement comprising:
means for positioning at least one sensory device in a scene of a 3D model; and
means for rendering dynamically said sensor within a scene of said 3D site model in accordance with sensor parameters associated with said at least one sensory device.
18. The apparatus of claim 17, further comprising:
means for selecting at least one of said 3D model, sensory parameters, and a viewpoint for viewing said at least one sensory device.
19. The apparatus of claim 17, further comprising:
means for determining whether an occlusion exists within an area covered by said sensor.